

*Fig. 1, Current Reader Connection to a Service*  
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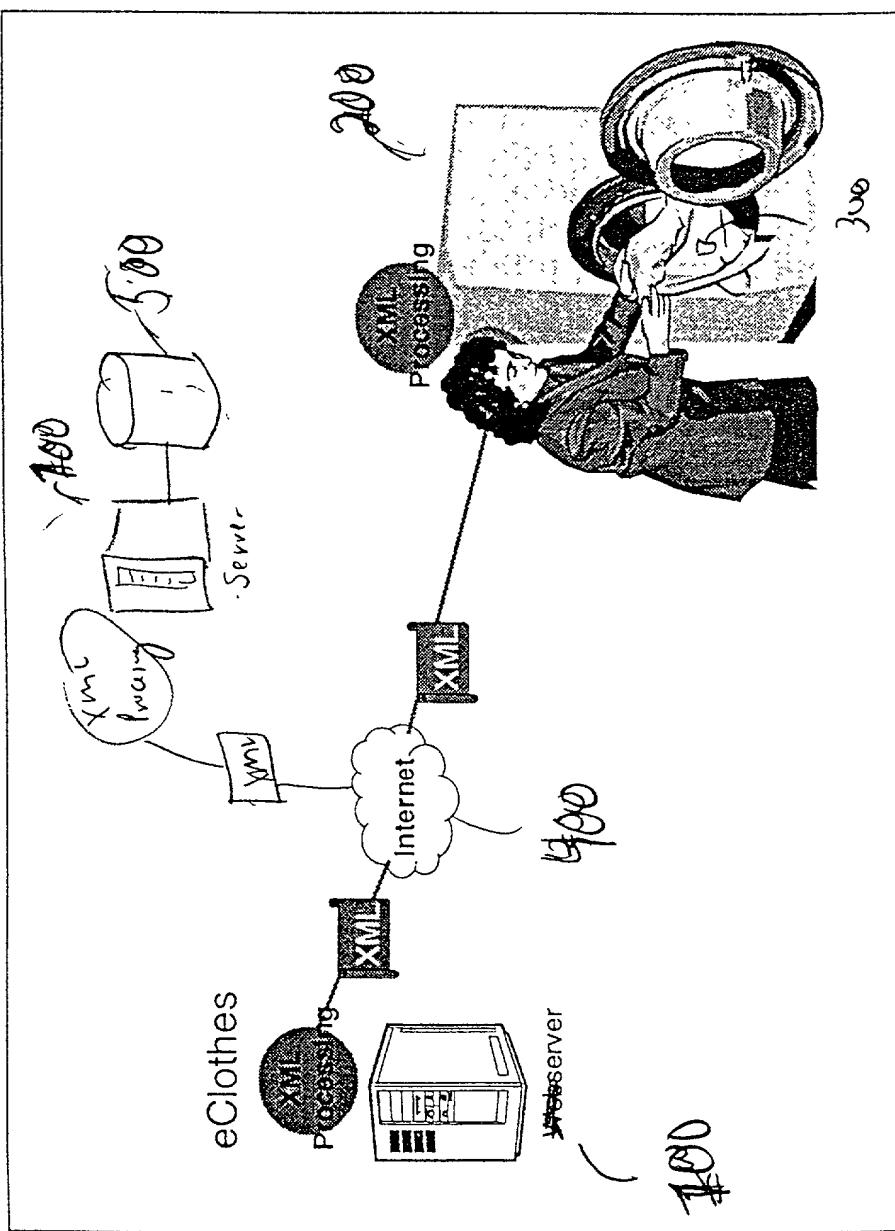


Figure 2, Washing Machine attached to the tag terminal

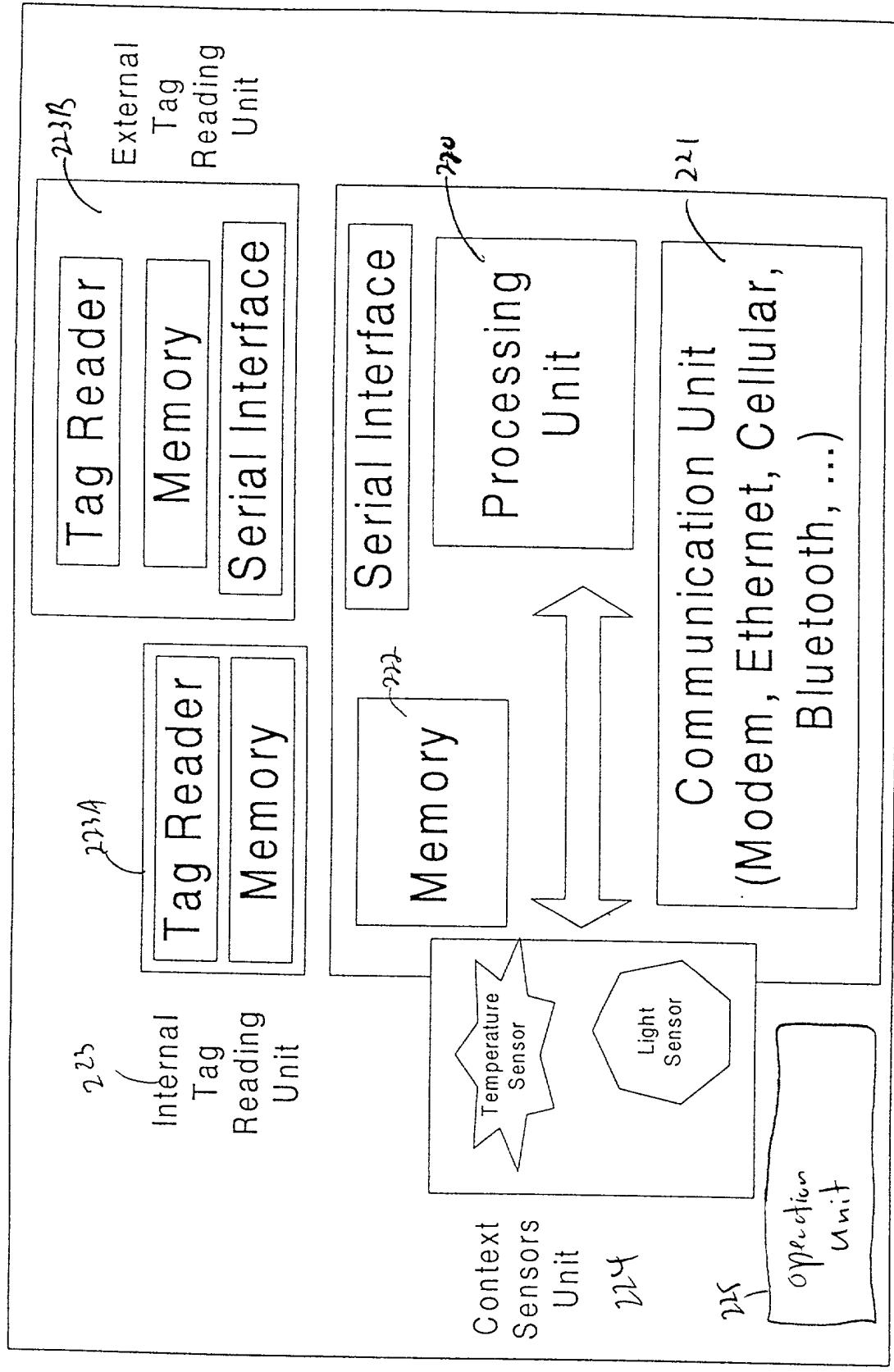


Figure 3, Hardware Design of Terminal

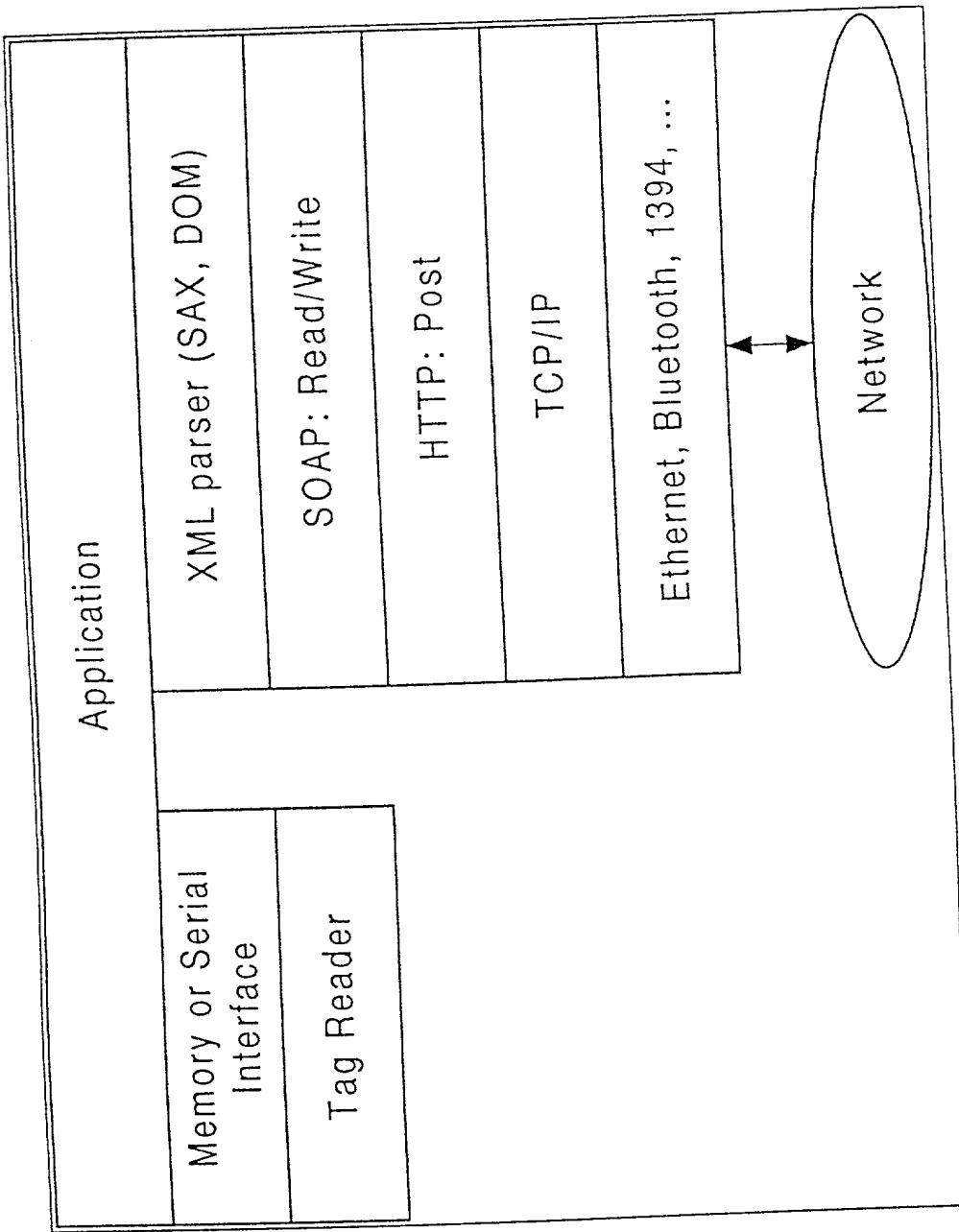


Figure 4, Communication Stacks for Terminal

*POST /soap/servlet/rpcrouter HTTP/1.1*

*Connection: Keep-Alive*

*Host: http://www.PhilipsServiceRouter.com:8080*

*Content-type: text/xml*

*Content-length: 527*

*SOAPAction: "*

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"  
    xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance" xmlns:xsd="http://www.w3.org/1999/XMLSchema">  
<SOAP-ENV:Body>  
<m: getWashingMachineSettings s xmlns:m=" http://www.PhilipsServiceRouter.com/soap/WashingMachineSetting"  
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">  
<Reader>  
<Number>1234567</Number>  
<Manufacturer> Philips Semiconductor </Manufacturer>  
</Reader>  
<Garment>  
<RFTag xsi:type="xsd:string"> AC 7B 9C 00 00 00 0I </RFTag>  
<Owner xsi:type="xsd:string"> Gap Clothes </Owner>  
</Garment>  
<Terminal>  
<Brand xsi:type="xsd:string"> Whirlpool </Brand>  
<Model xsi:type="xsd:string"> 1510M </Model>  
</Terminal>  
</m: getWashingMachineSettings >  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

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HTTP/1.0 200 OK
Date: Wed, 13 Sep 2000 16:02:38 GMT
Status: 200
Set-Cookie2: JSESSIONID=To1075mC3300827385008166At;Version=1;Discard;Path="/soap"
Servlet-Engine: Tomcat Web Server/3.1 (JSP 1.1; Servlet 2.2; Java 1.3.0; Windows
NT 4.0 x86; java.vendor=Sun Microsystems Inc.)
Set-Cookie: JSESSIONID=To1075mC3300827385008166At;Path=/soap
Content-Type: text/xml; charset=UTF-8
Content-Length: 707
Content-Language: en

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope!">
  <@xmlns:xsi="http://www.w3.org/1999/XMLSchema-instance" xmlns:xsd="http://www.w3.org/1999/XMLSchema">
    <SOAP-ENV:Body>
      <ns1:getWashingMachineSettings
        xmlns:ns1="http://www.PhilipsServiceRouter.com/soap/WashingMachineSetting" SOAP-
        ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
        <return xmlns:ns2="urn:Whirlpool-WashingMachine-Settings" xsi:type="ns2:WMResponse">
          <washing xsi:type="ns2:washing">
            <temperature xsi:type="xsd:int">150</temperature>
            <time xsi:type="xsd:int">20</time>
            <rpm xsi:type="xsd:int">120</rpm>
            .....
          </washing>
          <spinning xsi:type="ns2:spinning">
            <time xsi:type="xsd:int">5</time>
            <rpm xsi:type="xsd:int">600</rpm>
            .....
          </spinning>
        </return>
      </ns1:getWashingMachineSettings>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>

```

fig. 6